



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

53883-355

Date of Issuance:

4/30/2015

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

CSI Chlorpyrifos CS

Name and Address of Registrant (include ZIP Code):

Lisa Adamson  
Control Solutions, Inc.  
Regulatory Specialist  
5903 Genoa Red Bluff Road  
Pasadena, TX 77507

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

**SEE NEXT PAGE**

Signature of Approving Official:

Michael Walsh, Product Manager 11  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)

Date:

4/30/2015

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
  - a. Chlorpyrifos GDCI-059101-967
  - b. Chlorpyrifos EDSP-059101

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

[http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

3. The data requirements for corrosion characteristics (Guidelines 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 53883-355.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 11/14/2014

If you have any questions, please contact Michael Walsh by phone at (703) 308-2972, or via email at [walsh.michael@epa.gov](mailto:walsh.michael@epa.gov).

Enclosure

**RESTRICTED USE PESTICIDE**

For retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.

**CSI Chlorpyrifos CS****Insecticide**

(alternate name: Pyrofos™ CS)

(alternate name: Pyrofos™ CS Controlled Release Premise Insecticide)

Controlled Release Premise Insecticide [optional descriptor]

**Not for residential use****ACTIVE INGREDIENT:**

Chlorpyrifos.....20.0%

**OTHER INGREDIENTS:**.....80.0%

100.0%

Contains 1.81 pounds of Chlorpyrifos per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**FIRST AID**

This product contains an organophosphate that inhibits cholinesterase.

<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **For emergency medical treatment information you may also contact the National Poison Control Center, 1-800-222-1222, day or night.** FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378

**NOTE TO PHYSICIAN:** If symptoms of cholinesterase inhibition are present, atropine sulphate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Net Contents: \_\_\_\_\_ [Gallons] [Quarts] [Fl. Oz]

**ACCEPTED**

04/30/2015

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 53883-355

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below.

**All mixers, loaders, applicators and handlers must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Natural Rubber, Polyethylene, Polyvinyl Chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils.
- Chemical-resistant apron when mixing or loading or exposed to the concentrate
- Chemical resistant footwear plus socks
- Chemical resistant headgear for overhead exposures
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approved number prefix TC-21C or a NIOSH-approved respirator any N, R, P, or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Mixers and loaders using a mechanical transfer loading system must wear:** Long sleeved shirt and long pants; socks and shoes; chemical-resistant gloves; chemical-resistant apron; and a NIOSH approved mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P or HE filter.

**Mixers, loaders, applicators and handlers must wear:** Coveralls over long sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant apron when mixing or loading or exposed to the concentrate; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures; and a NIOSH approved mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator with any N, R, P or HE filter.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly with soap and water after handling.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENGINEERING CONTROLS

For Agricultural Uses: When handlers use closed cab motorized ground application equipment in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. Clean up spilled product to reduce exposure to wildlife. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

## PHYSICAL OR CHEMICAL HAZARDS

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly onto or into any electronic equipment such as radios, televisions, computers, telephones, etc.

## DIRECTIONS FOR USE

### **IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

#### **Restrictions:**

- Do Not contaminate food, feedstuffs or water supply
- Do Not apply to humans, their clothing or bedding
- Do Not allow people or pets to come in contact with treated surfaces until spray has dried.
- Do Not use on household pets
- Do Not contaminate food preparation surfaces, kitchen utensils, dishes, or feed storage containers
- Do Not use in residential areas
- Do Not apply this product aerially
- Do Not apply this product with an airblast sprayer

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals.

All food contact surfaces and cooking utensils must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse.

Cover fish tanks prior to application.

This product may NOT be used for formulation into manufacturing-use or end-use products for the following uses: termiticide or aquatic uses (aquatic food crop, aquatic non-food), including mosquito larvacide.

For ground boom applications, do not apply within 25 feet of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. Apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by anemometer. Use coarse spray according to ASAE 572 definition for standard nozzles of VMD for spinning atomizer nozzles.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves made of Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Natural Rubber, Polyethylene, Polyvinyl Chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils.
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

#### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people or pets to come in contact with treated areas/surfaces until spray has dried. Because some states may require a more restrictive re-entry interval, consult your State Department of Agriculture for further information.

Do not enter or allow others to enter until sprays have dried.

### **PRODUCT INFORMATION**

This product is a flowable microencapsulated concentrate containing chlorpyrifos. It may be sprayed on surfaces which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

**CSI Chlorpyrifos CS** is a liquid microencapsulated concentrate containing the active ingredient chlorpyrifos [for use in and around (within 6 to 10 feet) the following sites: Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars] *[optional]*

**CSI Chlorpyrifos CS** may be used to treat any surface which will not be damaged or marked by water. Heavy applications may leave a noticeable deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

**CSI Chlorpyrifos CS Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils) *[optional]*

### **MIXING INSTRUCTIONS:**

**Shake product well before diluting.**

Before using **CSI Chlorpyrifos CS**, thoroughly clean spray equipment. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of **CSI Chlorpyrifos CS**. Add the remaining water and agitate the sprayer thoroughly. Agitate sprayer frequently during use to ensure even coverage. Shake or re-agitate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank. If used, spray screens must be 50 mesh or larger. In situations where conventional application methods have not or are not likely to provide sufficient coverage, foam generating equipment or similar equipment may be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

## COMMERCIAL INDOOR TREATMENTS

**FOR USE IN:** Food and non-food areas of manufacturing, industrial, and food processing plants, warehouses, ship holds, and railroad boxcars.

**Application within food areas is limited to spot and / or crack and crevice treatments. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot. Do not re-apply more than once every 7 days.**

**SPRAY DILUTION CHART:** Dilute **CSI Chlorpyrifos CS** with water as indicated in the chart below.

<b>Amount of Finished Spray</b>	<b>0.25% Spray</b>	<b>0.5% Spray</b>
1 gallon	1.5 fl oz	3 fl oz
3 gallons	4.5 fl oz	9 fl oz
5 gallons	7.5 fl oz	15 fl oz
10 gallons	15.0 fl oz	30 fl oz

**NOTE:** Use the higher rate for clean-outs, for longer residual control or for high insect infestations.

**Apply CSI Chlorpyrifos CS** as a crack and crevice residual product where insects may be hiding, living and breeding and/or for selected spot treatment.

<b>PESTS</b>	<b>APPLICATION INSTRUCTIONS</b>
Cockroaches, crickets, dermestid beetles, earwigs, firebrats, millipedes, psocids, silverfish, sowbugs, spiders (except black widow or brown recluse)	Spot treat and/or make crack and crevice injections into areas where insects are normally found for example crack and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators. Repeat as necessary.
Carpet beetles (Dermestids)	Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a crack and crevice application in closets and other shelving where infested items are stored. DO NOT treat clothing with this product. Repeat application as necessary.
For exposed adult and larval stages of grain mites, stored product beetles, grain weevils and stored product moths	Inject into cracks and crevices and/or voids where these insects may be hiding. Infested areas include, but are not limited to, cracks and crevices in cabinets, pantries, wall voids and in machinery. Repeat application as necessary.
Ants (except carpenter, fire, harvester, or pharaoh)	Inject cracks, crevices, and voids where ants may be traveling and/or hiding, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Inject into cracks and crevices and/or voids where these insects may be hiding or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Repeat application as necessary. Treat wall area around entry points on exterior where insects gather.

## FOOD PROCESSING ESTABLISHMENTS

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial and Food Processing Plants. Non-food areas include boiler rooms, garbage rooms, drains (to sewers), entries and vestibules, machine rooms, garages, mop closets, and storage (after canning or bottling). Treating within food areas of food processing plants is limited to spot and/or crack and crevice treatments.

### APPLICATION INSTRUCTIONS

Treat where insects are found or normally occur. Application of a 0.25% solution is suitable for control of light pest infestations (i.e. maintenance applications). Applications of a 0.5% solution provides residual control of heavy infestations (i.e. clean-out applications) and where extended residual control is desired. A period of 4-7 days is usually required to observe maximum effectiveness on insect populations. Do not re-apply more than once per every 7 days. Apply spray solution so that spray drift is minimized to avoid non-target surfaces. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot.

## LIVESTOCK HOUSING

**FOR USE IN:** Livestock Housing and Holding Areas (Hog Barns, Empty Chicken Houses, Milk rooms, Calf Hutches, Calving Pens, and Parlors).

**CSI Chlorpyrifos CS** may be applied in compressed air backpack or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.5 – 1.75 fl oz per 1,000 sq ft. For larger spray equipment, use 5 to 8.75 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)

### Restrictions:

- Do not apply to lactating or food animals.
- Do not contaminate milk, food, or drinking water.
- Remove all animals prior to making application to housing.
- Do not apply or allow insecticide to drift into animals.
- Do not allow animals to enter treated areas until surfaces are dry.

Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at a rate of 5 to 8 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as screen doors, window frames, light fixtures, ceilings and upper corners, inside and outside dumpsters, and other garbage containers and garbage storage bins or areas.

For control of darkling beetles in poultry production facilities mix **CSI Chlorpyrifos CS** at a rate of 2 to 5 ounces/1,000 sq. ft. of floor area, in .5 gallons of water/1,000 sq. ft. of floor area. Apply to litter, paying particular attention to areas under feeder lines, water lines, and the perimeter. Conduct application as close to bird placement as possible. Repeat applications may be made just prior to placement of each flock. It is important to rotate chemical classes of insecticides on as part of a rotation program to avoid resistance to any class of insecticides.

For control of other pests and to help prevent infestations of buildings, treat a band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation and sides where pest are active and may enter. Treat other insect entry points such as doors, windows, under siding and eaves of structure.

### **BUFFER DISTANCE**

The buffer distances specified in the table below are the distances in feet that must exist to separate sensitive sites from the targeted application site. Buffers are measured from the edge of the sensitive site to the edge of the application site.

Sensitive sites are areas frequented by non-occupational bystanders (especially children). These include residential lawns, pedestrian sidewalks, outdoor recreational areas such as school grounds, athletic fields, parks and all property associated with buildings occupied by humans for residential or commercial purposes. Sensitive areas include homes, farmworker housing or other residential buildings, schools, daycare centers, nursing homes and hospitals. Non-residential agricultural buildings, including barns, livestock facilities, sheds and outhouses are not included in this prohibition.

<b>Application Rate (lb ai/A)</b>	<b>Nozzle Droplet Type</b>	<b>Required Setback (Buffer Zones)(feet) Ground</b>
>0.5 - 1	Coarse or very coarse	10
>0.5 - 1	Medium	10
>1 – 2	Coarse or very coarse	10
>1 – 2	Medium	10
>2 – 3	Coarse or very coarse	10
>2 – 3	Medium	10
>3 – 4	Coarse or very coarse	10
>4	Coarse or very coarse	10

Only pesticide handlers are permitted in the setback area during application of this product. Do not apply this product if anyone other than a mixer, loader or applicator is in the setback area. Exception: Vehicles and persons riding bicycles that are passing through the setback area on public or private roadways are permitted.

### **COMMERCIAL ORNAMENTAL GREENHOUSES AND NURSERIES\* PRODUCTION ONLY**

**KILLS:** Ants (except carpenter, fire, harvester, and pharaoh), Aphids, Beetles, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Colorado Potato Beetles, Crickets, Cucumber Beetles, Flea Beetles, Firebrats, Fungus Gnats, Fungus Gnat Larvae, Gnats, Japanese Beetles, Leafhoppers, Leaf Miner, Mealybugs, Root Mealy Bugs, Root Weevils, Rose Aphids, Rose Chafer, Scale, Shore Flies, Spider Mites, Stink Bugs, Tarnished Plant Bugs, Thrips and Watermelon Beetles.

**FOR USE IN:** Commercial Ornamental Greenhouses and Nurseries\*

*\*Apply to ornamentals grown only in wholesale nursery operations. Wholesale nursery operations are commercial agricultural operations which do not sell or distribute directly to consumers or the general public through retail sales. Plants, trees, fruits, vegetables, or any parts of the plants, trees, fruits or vegetables treated with this product cannot be sold or distributed directly to consumers or the general public through retail sales.*

**FOR USE ON:**

**Bedding plants (including):** impatiens, marigolds, petunias, geraniums, garden mums, verbena, New Guinea impatiens and dahlia.

**Cut flowers (including):** roses, chrysanthemums, carnations, snapdragons and orchids

**Flowering hanging baskets (including):** fuchsia and lantana

**Foliage (including):** Boston fern, dracaena, ficus, schefflera and philodendron

**Ornamental trees & shrubs (including):** azalea, barberry, cotoneaster, euonymus, ilex, ivy, juniper, oak, pine, rhododendron, roses, spiraea, spruce, virburnum and yew

**Potted flowering plants (including):** poinsettia, chrysanthemums, florist's azaleas, lilies, African violets, geraniums, hibiscus, begonias, gloxinia, cyclamen, cineraria, calceolaria and exacum

**DO NOT USE ON:** kalanchoes

**APPLICATION INSTRUCTIONS Heavy Infestation:** Use 0.5 fl oz/gal of water. Spray upper and lower foliage surface of plants uniformly.

**Preventative and Maintenance:** Use 0.25 fl oz/gal of water. Spray upper and lower foliage surfaces of plants uniformly.

**Fungus Gnat Larvae and Shore Fly Larvae:** Apply at the rate of 0.25 - 0.50 fl oz/gal as a course spray to all insect infested surfaces or where insects may breed. Apply with adequate water to wet soil surface thoroughly. Apply when soil is moist but not saturated. Complete coverage of insect infested area is essential.

**DRENCHING INSTRUCTIONS**

For soil borne organisms, such as Root Mealy Bugs and Root Weevils, mix at one of the above rates or at 0.125 fl oz/gal depending on the organism to be controlled and the amount of finished spray used per pot. Apply 0.5 – 2 fl oz of finished spray per inch diameter of pot. Use higher rate for lower volumes and lower concentration if greater volumes of finished spray are used. Apply when soil is drier, but do not stress plant.

**PLANT SAFETY INFORMATION**

All varieties of the plants listed have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe for phytotoxicity prior to full scale application.

Direct treatment to some open blooms may cause petal drop.

**COMMERCIAL OUTDOOR BUILDING TREATMENTS**

Outdoor commercial perimeter applications - manufacturing, industrial, and food-processing plants and warehouses

To help prevent infestations of buildings, treat band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2-3 ft and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under decks and on fences. This product may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.5 to 1.75 fl oz per 1,000 sq ft. For larger spray equipment, use 5 to 8.75 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)

Ants (except carpenter, fire, harvester, and pharaoh), crickets, and other crawling insects	For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants thoroughly wet hills and runways. Repeat applications as infestation warrants and as reinfestations occur. Apply at a rate of 3 fluid ounces per gallon (0.5%)
Flies	Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at a rate of 5 to 8 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as inside and outside dumpsters, and other garbage containers and garbage storage bins or areas. Apply at a rate of 3 fluid ounces per gallon (0.5%)
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Apply into cracks, crevices, and voids where insects may be harboring or hibernating, such as wall voids, weep holes, crevices around door or window frames, and under siding. Apply to outdoor wall surfaces around entry points where insects congregate. Apply at a rate of 3 fluid ounces per gallon (0.5%). Repeat as needed, at least 7 days apart.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store upright at room temperature. Avoid exposure to extreme temperatures.

**Spill Procedures:** In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**Container Handling:**

**For Containers equal to or less than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour

rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Containers greater than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Return to point of sale. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

#### **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc. election, the replacement of product.

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EPA EST. NO. XXXX-XXX-XX

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Pasadena, Texas 77507

*[optional marketing claims]*

**CSI Chlorpyrifos CS** is a liquid concentrate for use in and around (within 6 to 10 feet) the following sites:

Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars *[optional]*

**CSI Chlorpyrifos CS Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Caddisflies, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils) *[optional]*

Liquid Concentrate for use in and around (within 6 to 10 feet) livestock housing, commercial buildings, industrial plants and food processing plants. *[optional marketing statement]*

CapVantage™ Technology *[optional marketing statement, trademark name of microencapsulation technology]*